

AMENDMENTS TO THE CLAIMS

1. (currently amended) A ~~quality inspection apparatus for a~~
double-sided printing machine, comprising:

A4 a printing unit for printing opposite faces of a sheet-like material;

ink supply means for supplying ink to said printing unit, said ink supply means being supported to be brought into contact with and separated from said printing unit;—and

a delivery pile, provided downstream of the printing unit, for collecting said sheet-like material; and

transport means for transporting said sheet-like material from said printing unit to said a delivery pile ~~unit~~ while holding said sheet-like material, wherein

——said transport means including ~~includes~~ a first delivery chain passing through a lower side of said ink supply means, a first transport cylinder and a second transport cylinder, provided adjacent to the delivery pile and arranged in zigzag fashion with respect to a vertical direction, ~~plurality of transport cylinders~~ for transporting said sheet-like material from said first delivery chain, and a second delivery chain for transporting said sheet-like material from said plurality of transport cylinders;

——~~said plurality of transport cylinders include at least first and second transport cylinders; and~~

~~—said quality inspection apparatus comprises—~~

—first detection means for detecting a status of printing on one face of said sheet-like material when said sheet-like material is transported by said first transport cylinder; and

—second detection means for detecting a status of printing on the other face of said sheet-like material when said sheet-like material is transported by said second transport cylinder.

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3. (currently amended) A ~~quality inspection apparatus for a~~ double-sided printing machine according to claim 1, wherein each of said first and second transport cylinders is a suction cylinder.

4. (currently amended) A ~~quality inspection apparatus for a~~ double-sided printing machine according to claim 1, further comprising: wherein

first drying means ~~is~~ provided on the upstream side, with respect to the transport direction, of a detection position at which said first detection means detects said sheet-like material held by said first transport cylinder; and

second drying means ~~is~~ provided on the upstream side, with respect to the transport direction, of a detection position at which said second detection means detects said sheet-like material held by said second transport cylinder.

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5. (currently amended) A ~~quality inspection apparatus for a~~ double-sided printing machine according to claim 4, wherein said first drying means is disposed to face said first transport cylinder, and said second drying means is disposed to face said second transport cylinder.

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6. (new) A quality inspection apparatus for a double-sided printing machine having a printing unit and a delivery pile provided downstream of the printing unit, comprising:

transport means, provided between the printing unit and the delivery pile, for transporting a sheet-like material from the printing unit to the delivery pile, said transport means including a first transport cylinder and a second transport cylinder arranged in zigzag with respect to a vertical direction, such that a first space is formed above the first transport cylinder, and a second space is formed below the first transport cylinder;

first detection means, provided in the first space, for detecting a status of printing on one face of said sheet-like material when said sheet-like material is transported by said first transport cylinder; and

second detection means, provided in the second space, for detecting a status of printing on the other face of said sheet-like material when said sheet-like material is transported by said second transport cylinder.

7. (new) The quality inspection apparatus according to claim 6, wherein at least one of said first and second transport cylinders is a suction cylinder.

8. (new) The quality inspection apparatus, according to claim 6, wherein said first detection means includes a first spot light provided inside the first space and said second detection means includes a second spot light provided inside the second space.

9. (new) The quality inspection apparatus, according to claim 6, further comprising:

first drying means provided in the first space for drying said sheet-like material while being held by said first transport cylinder; and

second drying means provided in the second space for drying said sheet-like material while being held by said second transport cylinder.

10. (new) A double-sided printing machine, comprising:

a printing unit for printing opposite faces of a sheet-like material;

ink supply means for supplying ink to said printing unit, said ink supply means being supported to be brought into contact with and separated from said printing unit;

transport means for transporting said sheet-like material from said printing unit to a delivery pile while holding said sheet-like material, said transport means including a first delivery chain passing through a lower side of said ink supply means, a plurality of transport cylinders for transporting said sheet-like material from said first delivery chain, and a second delivery chain for transporting said sheet-like material from said plurality of transport cylinders, said plurality of transport cylinders including at least a first transport cylinder and a second transport cylinder;

first detection means for detecting a status of printing on one face of said sheet-like material when said sheet-like material is transported by said first transport cylinder; and

second detection means for detecting a status of printing on the other face of said sheet-like material when said sheet-like material is transported by said second transport cylinder;

first drying means provided on the upstream side, with respect to the transport direction, of a detection position at which said first detection means detects said sheet-like material held by said first transport cylinder; and

second drying means provided on the upstream side, with respect to the transport direction, of a detection position at

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held by said second transport cylinder.
